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High transmittance low emissivity coated articles and methods for making the same

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- US 5942338 (A)
- US 5821001 (A)
- US 6579427 (B1)
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Abstract of TW 436529 (B)

Multilayer high transmittance, low emissivity coatings on transparent substrates feature a special antireflective base film of at least two parts on the substrate-near side of a metallic, reflective film. A first of the two parts is in contact with the metallic film. This first film-part has crystalline properties for causing the metallic film to deposit in a low resistivity configuration. The second of the two film-parts supports the first part and is preferably amorphous. Coated articles of the invention also feature, in combination with the above-mentioned base film or independently thereof, a newly discovered, particularly advantageous sublayer of thicker primer films for coated glass that can be thermally processed for tempering, heat strengthening, or bending.

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| 5. Database consulted during search (Keyword): TIPO local and foreign patent databases, USPTO | | |
| Category | Citation of document, with indication of relevant passages | Relevant to claim No. |
| Y | 1. US 5744864 1998/04/28 Figures 2 and 4, and lines 30~60 of column 5 | 1~9 |
| Y | 2. TW 436529 2001/05/28 Last lines 3~4 of page 10 and claims 1, 3 and 4 | 1~9 |
| Y | 3. US 2002/089616A1 2002/07/11 Figure 5 | 6、9 |
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| Y: document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents | D: document mentioned in the specification E: earlier document but published on or after the filing date | P: document published prior to the filing date but later than the priority date claimed L: document cited for other reasons |

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